

AMENDMENTS TO THE CLAIMS

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)

6. (Currently Amended) A method of inscribing by laser light a diffraction grating on an optical disc by an optical disc recording apparatus to produce a holographic visual effect when light is reflected from said diffraction grating the method comprising:

a storing step of storing, in advance, laser information indicating irradiation interval and intensity level of the laser light to be applied to the optical disc associated with a formation spacing to produce pits having the same lengths and formed at a constant interval and

a control step of controlling the laser light, when inscribing by laser light is instructed together with an indication of the formation spacing, so as to correspond to the irradiation interval and the intensity level of the laser light indicated by the laser information corresponding to the indicated formation spacing;

~~The method of claim 1~~ wherein the irradiation interval is determined according to a predetermined visible light wavelength and predetermined viewing angle.

7. (Currently Amended) A method of inscribing by laser light irradiation a diffraction grating on an optical disc by an optical disc recording apparatus to produce a holographic visual effect when light is reflected from said diffraction grating, the method comprising:

a storing step of storing laser information indicating irradiation timing and intensity level of the laser light to be applied to the optical disc for step wisely changing at least one of length and formation spacing of pits formed in said optical disc by said laser light; and

a control step of controlling the laser light irradiation, when inscribing by laser light is instructed, based on the laser information;

The method of claim 3 wherein the irradiation interval is determined according to a predetermined visible light wavelength and predetermined viewing angle.

8. (Currently Amended) A computer readable recording medium storing a program for inscribing by laser light irradiation a diffraction grating on an optical disc by an optical disc recording apparatus to produce a holographic visual effect when light is reflected from said diffraction grating, the program causing a computer to function as:

a storing unit for storing, in advance, laser information indicating irradiation interval and intensity level of the laser light to be applied to the optical disc associated with a formation spacing to produce pits having the same lengths and formed at a constant interval;

a control unit for controlling the laser light, when inscribing by laser light is instructed together with an indication of the formation spacing, so as to correspond to the irradiation interval and the intensity level of the laser light indicated by the laser information corresponding to the indicated formation spacing;

~~The computer readable recording medium of claim 4~~ wherein the irradiation interval is determined according to a predetermined visible light wavelength and predetermined viewing angle.

9. (Currently Amended) A system for inscribing by laser light a diffraction grating on an optical disc including an optical disc recording apparatus to produce a holographic visual effect when light is reflected from said diffraction grating, the system comprising:

a storing unit for storing, in advance, laser information indicating irradiation interval and intensity level of the laser light to be applied to the optical disc associated with a formation spacing to produce pits having the same lengths and formed at a constant interval; and

a control unit for controlling the laser light, when inscribing by laser light is instructed together with an indication of the formation spacing, so as to correspond to the irradiation interval and the intensity level of the laser light indicated by the laser information corresponding to the indicated formation spacing;

~~The system of claim 5~~ wherein the irradiation interval is determined according to a predetermined visible light wavelength and predetermined viewing angle.